

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013757.D
 Acq On : 16 May 2023 14:18
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 17 07:47:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	189024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	332007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155147	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128373	61.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.900%
35) Dibromofluoromethane	7.710	113	113491	54.349	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.700%
50) Toluene-d8	10.179	98	418199	56.297	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.600%
62) 4-Bromofluorobenzene	12.477	95	151478	60.487	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	120.980%

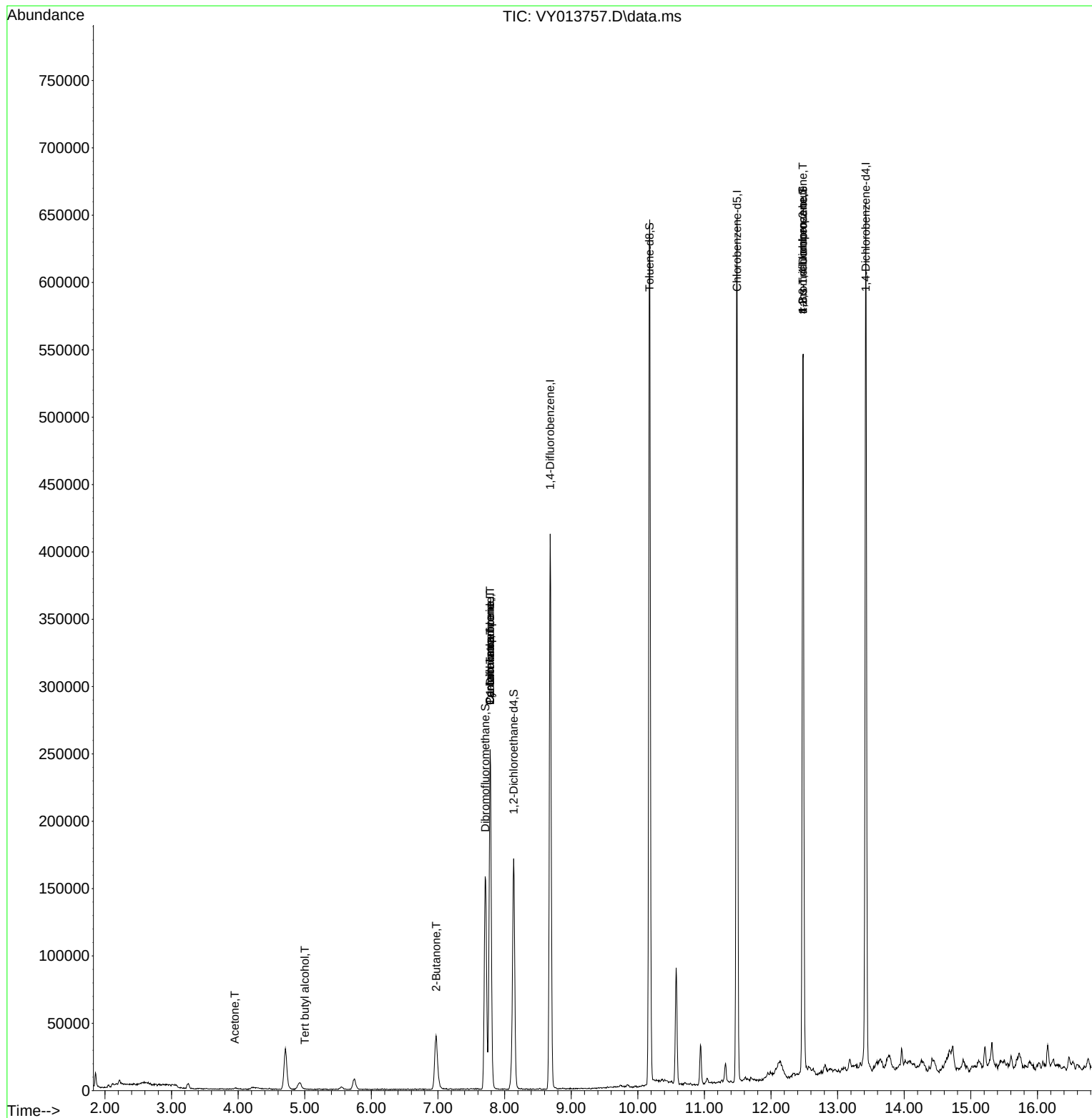
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.003	59	218	1.582	ug/l #	89
13) Acrolein	3.741	56	74	Below Cal	#	16
16) Acetone	3.948	43	1504	1.843	ug/l	92
20) Methylene Chloride	4.710	84	20522	Below Cal	#	85
25) 2-Butanone	6.972	43	2893	2.795	ug/l #	75
31) Cyclohexane	7.783	56	4213	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15311	4.418	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18614	5.124	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	80933	38.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80933	79.123	ug/l #	13

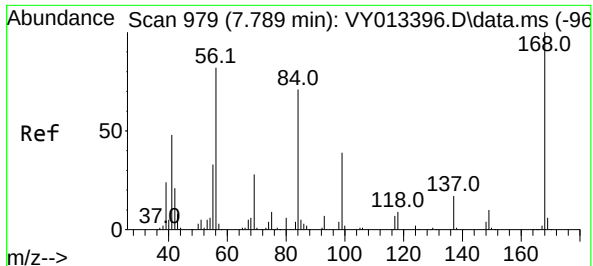
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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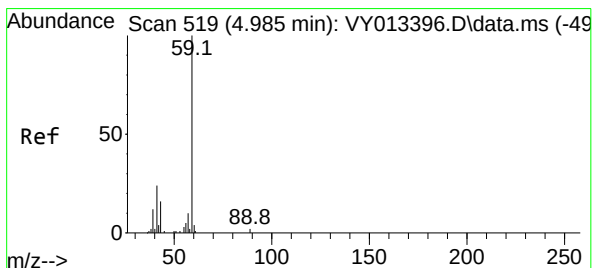
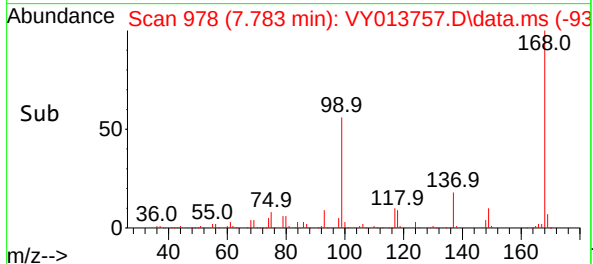
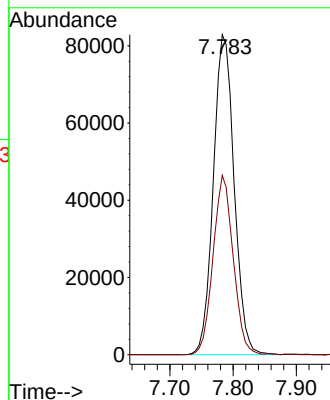
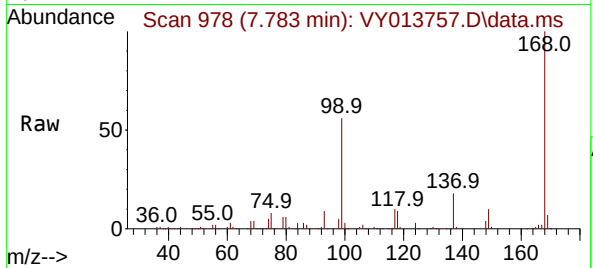




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

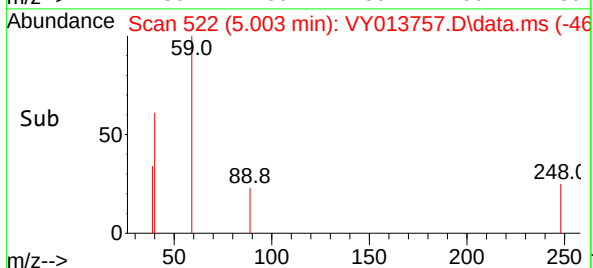
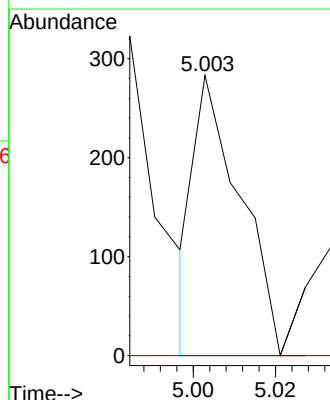
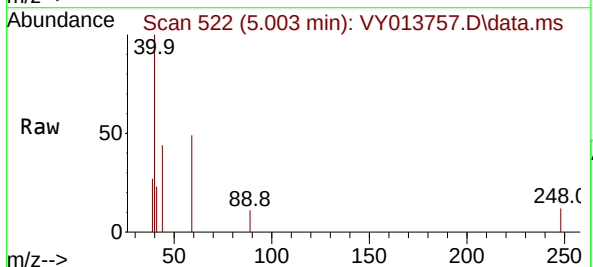
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

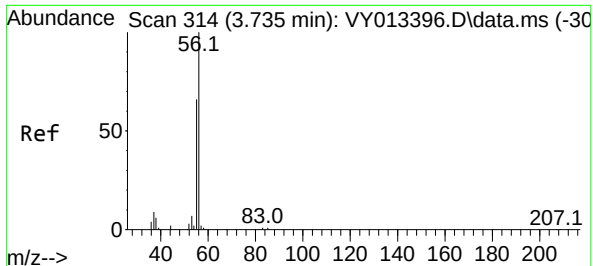
Tgt Ion:168 Resp: 189024
Ion Ratio Lower Upper
168 100
99 56.1 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.582 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.025 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

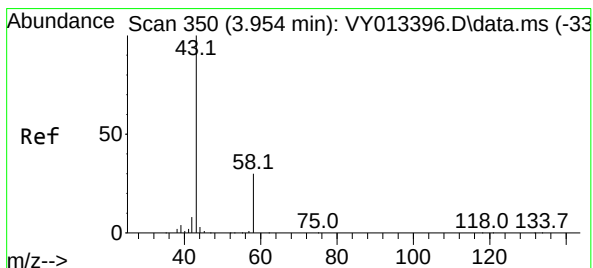
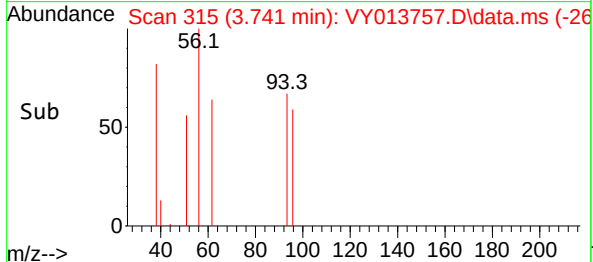
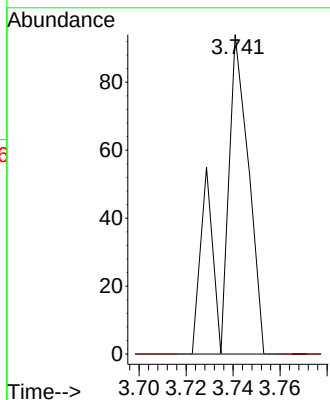
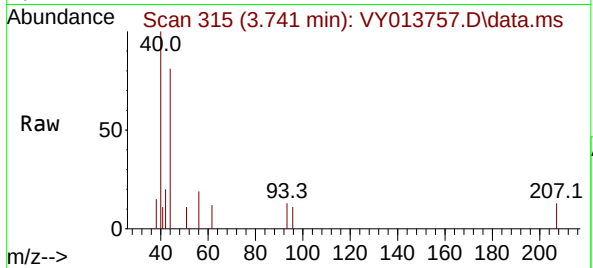




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

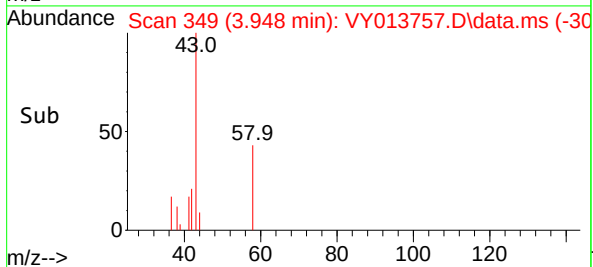
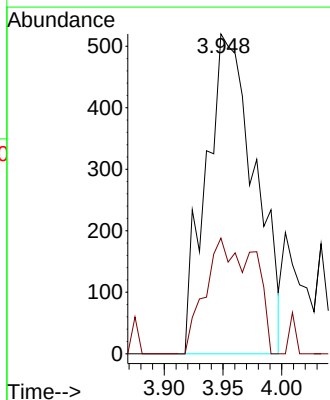
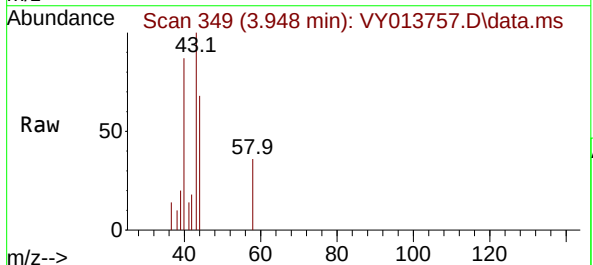
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

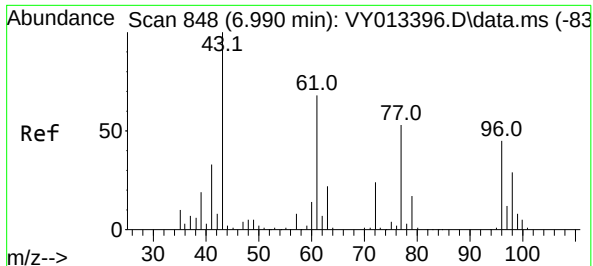
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 1.843 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 36.2 25.4 38.0





#25

2-Butanone

Concen: 2.795 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013757.D

Acq: 16 May 2023 14:18

Instrument :

MSVOA_Y

ClientSampleId :

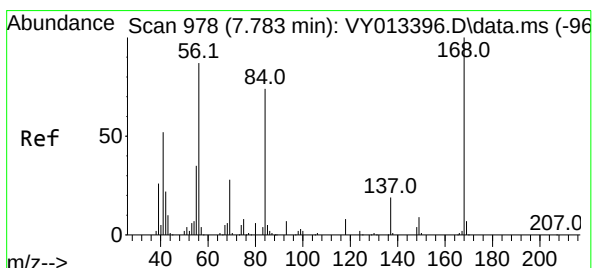
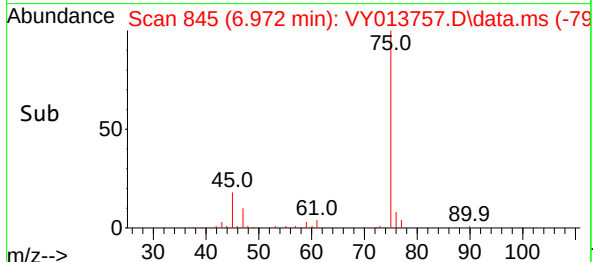
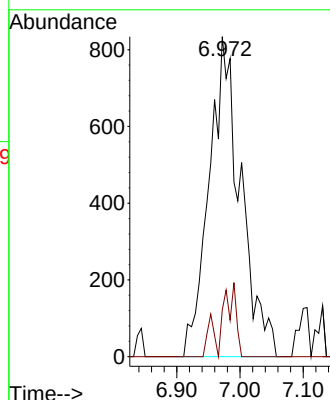
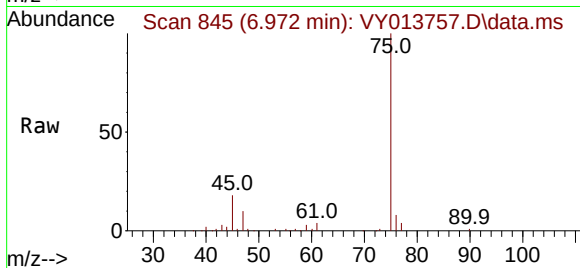
VIBLK

Tgt Ion: 43 Resp: 2893

Ion Ratio Lower Upper

43 100

72 14.6 21.9 32.9#



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013757.D

Acq: 16 May 2023 14:18

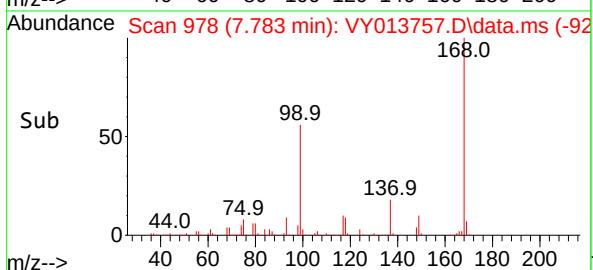
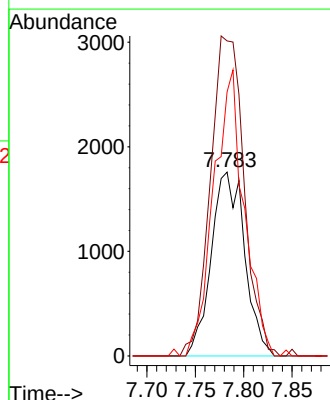
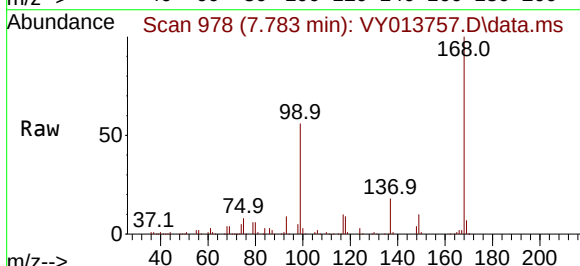
Tgt Ion: 56 Resp: 4213

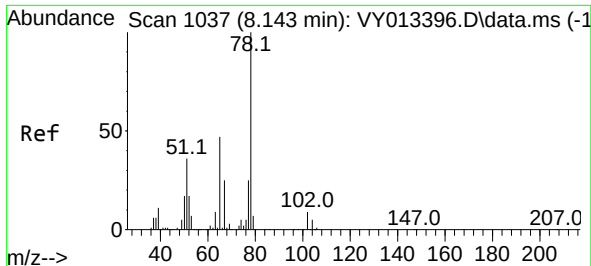
Ion Ratio Lower Upper

56 100

69 171.4 29.2 43.8#

84 143.6 73.0 109.6#

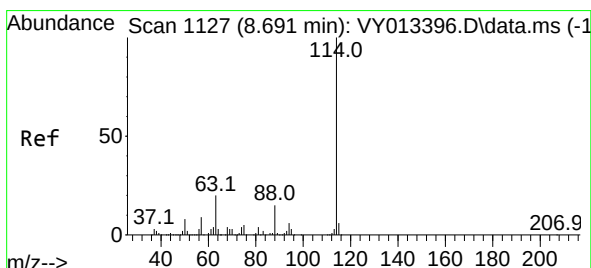
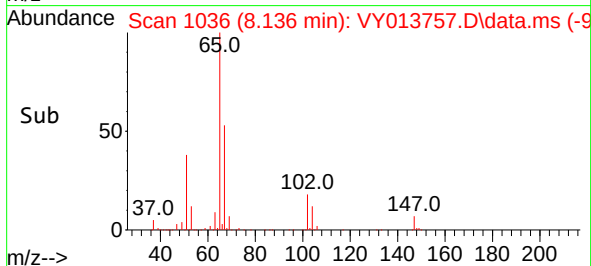
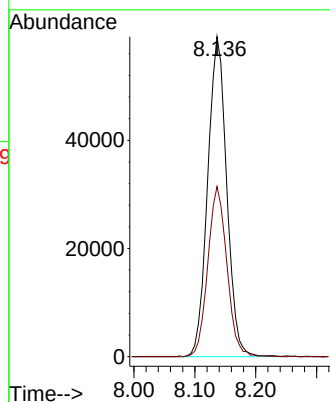
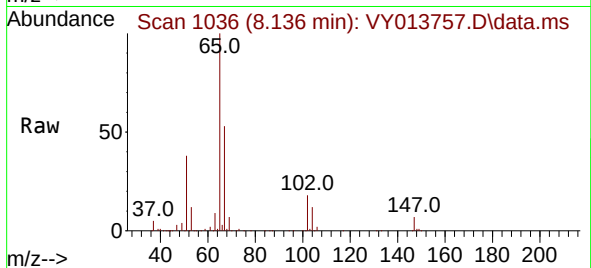




#33
 1,2-Dichloroethane-d4
 Concen: 61.952 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY013757.D
 Acq: 16 May 2023 14:18

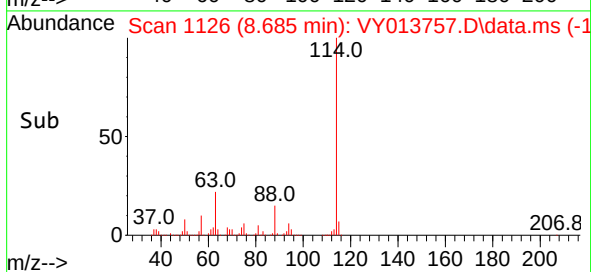
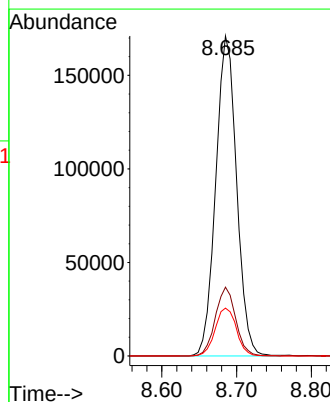
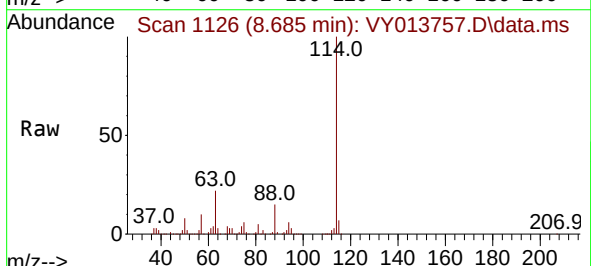
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

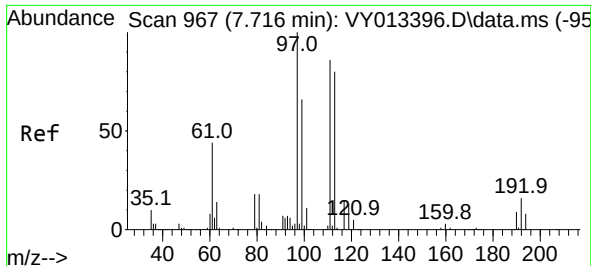
Tgt Ion: 65 Resp: 128373
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013757.D
 Acq: 16 May 2023 14:18

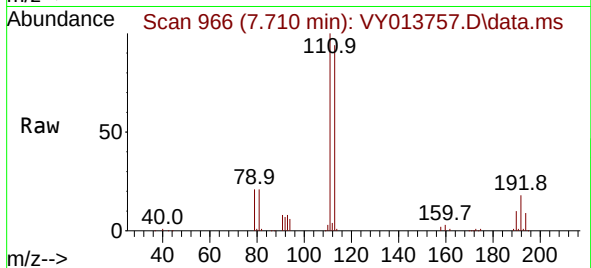
Tgt Ion: 114 Resp: 332007
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 36.6
 88 15.0 0.0 28.8



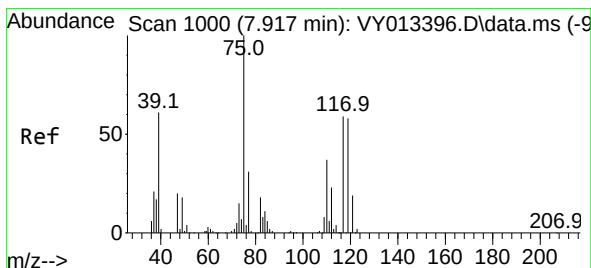
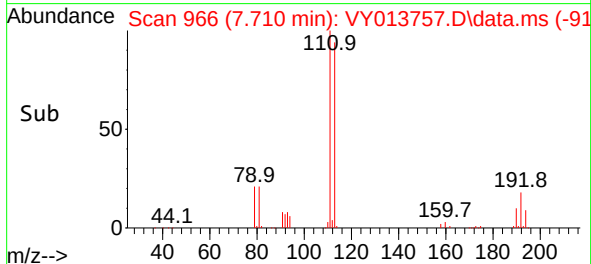
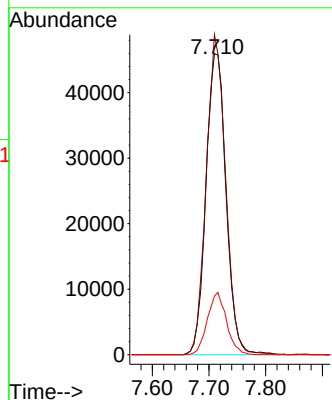


#35
Dibromofluoromethane
Concen: 54.349 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

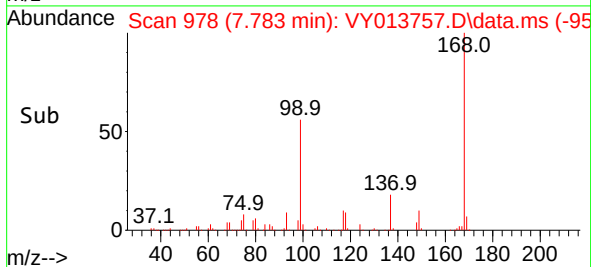
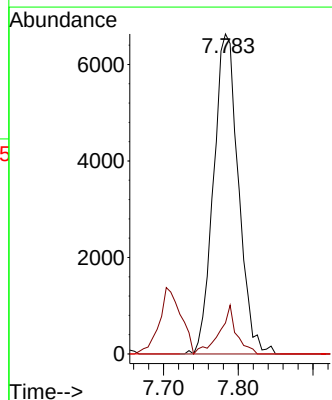
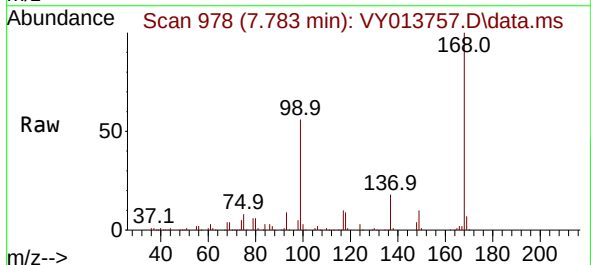


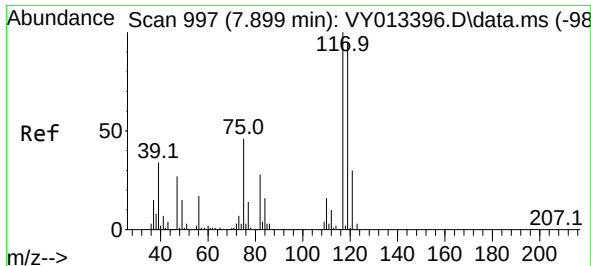
Tgt Ion:113 Resp: 113491
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

Tgt Ion: 75 Resp: 15311
Ion Ratio Lower Upper
75 100
110 10.1 18.7 56.1#
77 0.0 24.6 37.0#

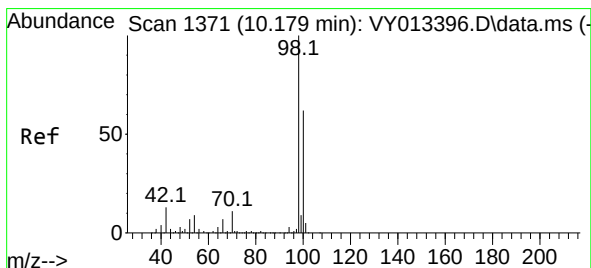
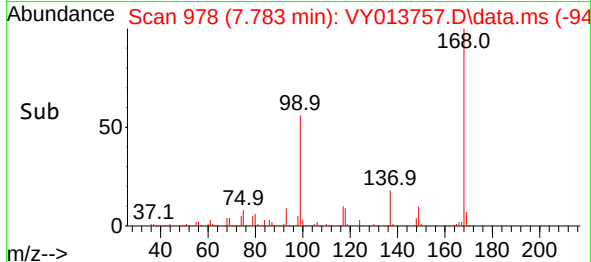
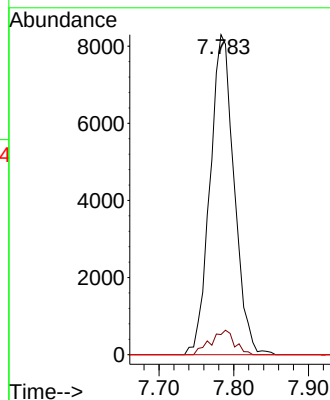
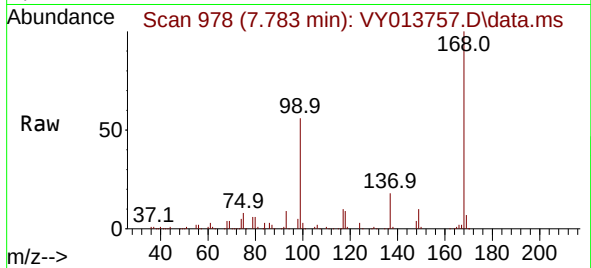




#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

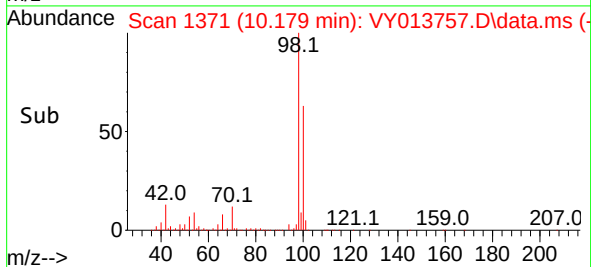
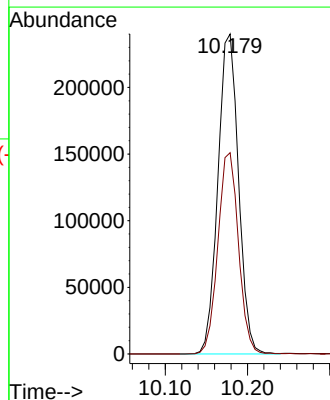
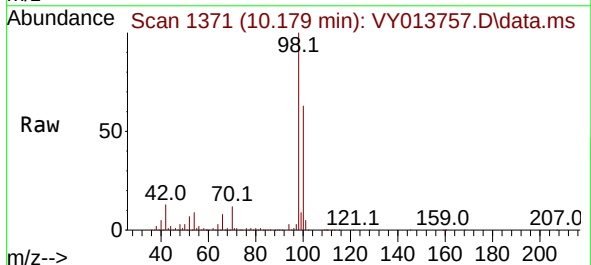
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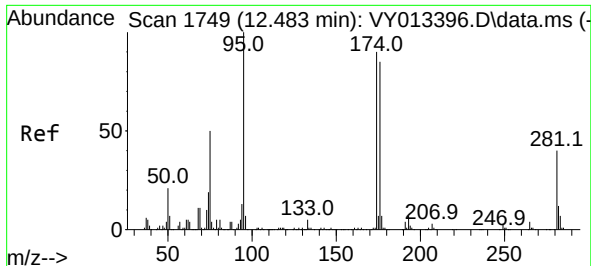
Tgt Ion:117 Resp: 18614
Ion Ratio Lower Upper
117 100
119 6.3 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 56.297 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013757.D
Acq: 16 May 2023 14:18

Tgt Ion: 98 Resp: 418199
Ion Ratio Lower Upper
98 100
100 62.9 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 60.487 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013757.D

Acq: 16 May 2023 14:18

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

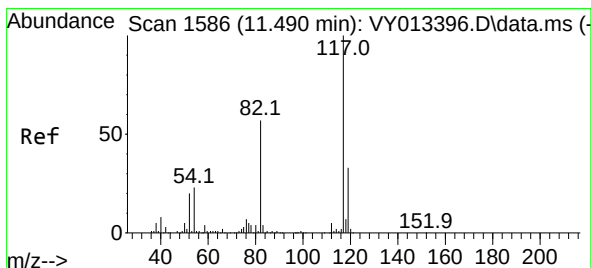
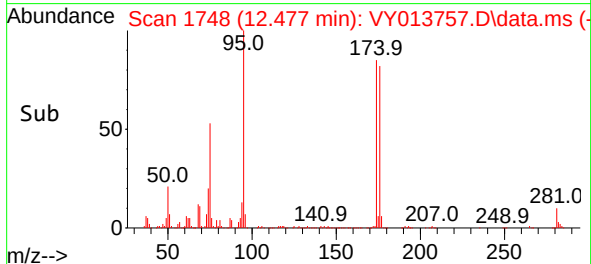
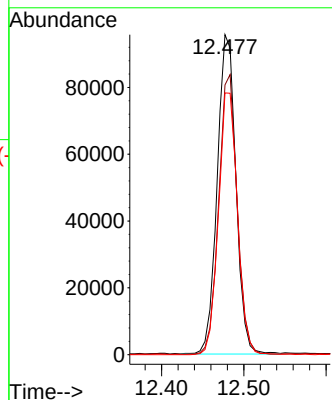
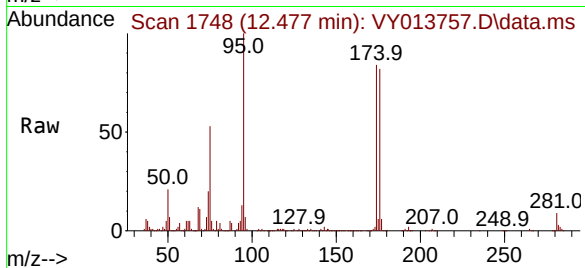
Tgt Ion: 95 Resp: 151478

Ion Ratio Lower Upper

95 100

174 86.1 0.0 182.0

176 83.2 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013757.D

Acq: 16 May 2023 14:18

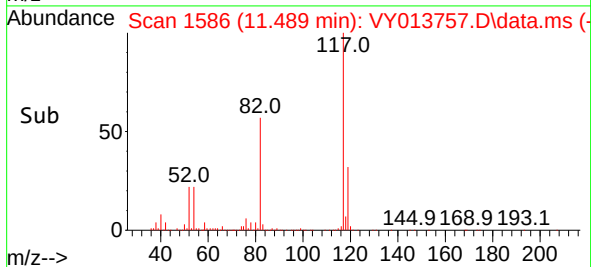
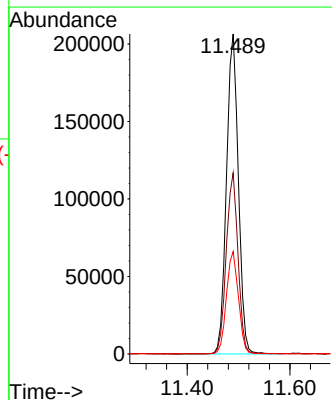
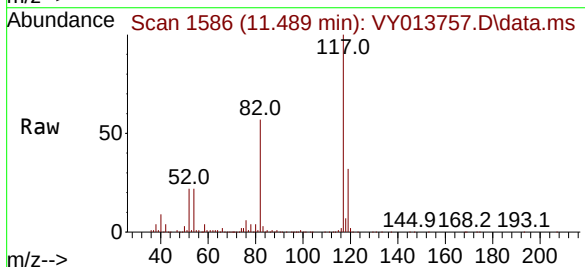
Tgt Ion: 117 Resp: 330844

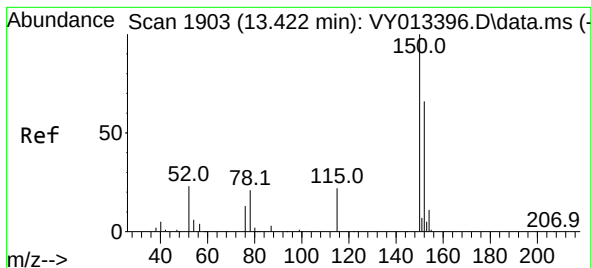
Ion Ratio Lower Upper

117 100

82 56.6 43.0 64.6

119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013757.D

Acq: 16 May 2023 14:18

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

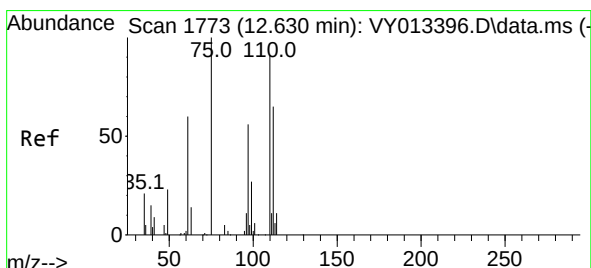
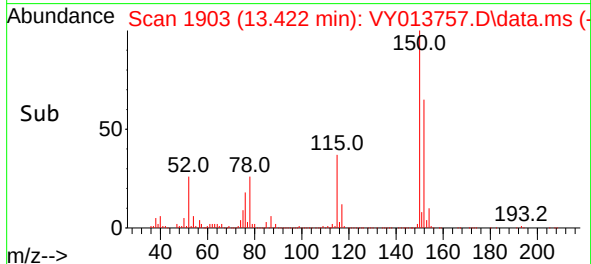
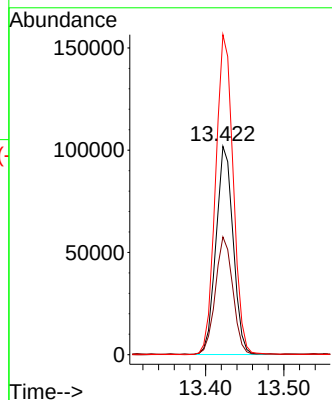
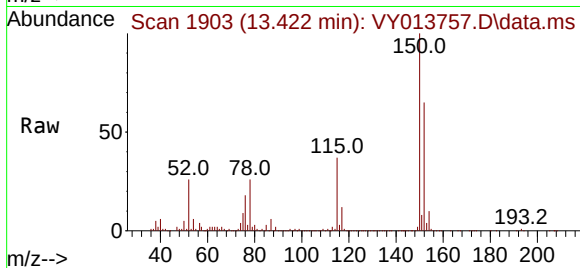
Tgt Ion:152 Resp: 155147

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

150 157.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 38.681 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013757.D

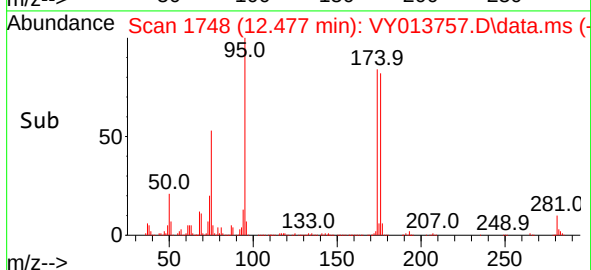
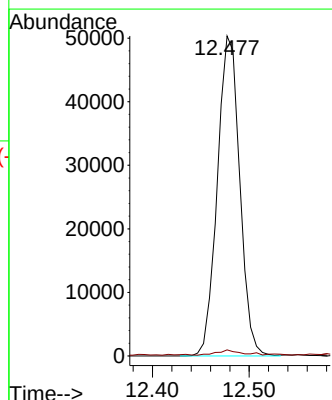
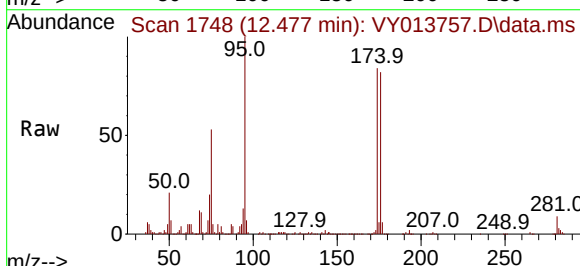
Acq: 16 May 2023 14:18

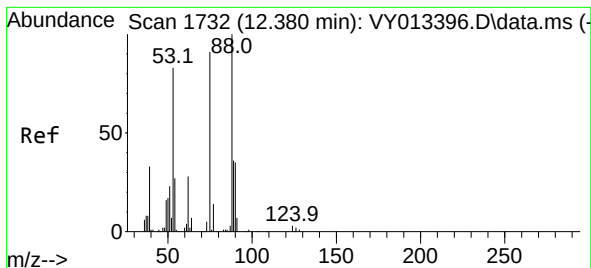
Tgt Ion: 75 Resp: 80933

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.123 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013757.D
 Acq: 16 May 2023 14:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 80933
 Ion Ratio Lower Upper
 75 100
 53 0.6 73.2 109.8#
 89 0.0 38.0 57.0#

